

CONTROL BLOCK:

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1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	C	A	S	O	S	2	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5
7	8	14						15	25										26	30				37	38				
		LICENSEE CODE							LICENSE NUMBER											LICENSE TYPE					CAT				

CON'T

REPORT SOURCE L 6 0 5 0 0 0 3 6 1 7 0 8 2 9 8 3 8 0 9 2 8 8 3 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On August 29, 1983, at 0624 and August 31, 1983 at 2325, respectively, flow control valve 2FV-0318 for the Iodine Removal System failed to open and was declared inoperable. In accordance with Technical Specification 3.6.2.2, actions were initiated to return the valve to service within 72 hours. On August 31, 1983, at 1950 and September 2, 1983, at 0120, respectively, the valve was returned to operable status. Public health and safety were not affected.

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMP. SUBCODE		VALVE SUBCODE	
0	9	S	C	E	B	V	A	L	V
7	8	9	10	11	12	13	14	15	16
EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.	
8	3	1	2	0	0	3	L	0	
17	21	22	23	24	25	26	27	28	
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS	
A	Z	Z	Z	0	0	0	0	0	
18	19	20	21	22	23	24	25	26	
ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER		REVISION NO.	
Y	Y	N	Y	2	0	0	6	0	
27	28	29	30	31	32	33	34	35	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1	0	The cause of these incidents was a cracked O-ring allowing high pressure
1	1	oil to leak to the low pressure side, preventing sufficient pressure
1	2	differential to stroke the valve. The problem was not detected on
1	3	August 29 because the cracks expanded at high temperatures and closed at
1	4	low temperatures. The cracked O-ring was replaced.

8 9
FACILITY STATUS
1 5 E 28
10 11 12 13
1 0 0 29 NA
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
METHOD OF DISCOVERY
B 31
32
DISCOVERY DESCRIPTION
Operator Observation
33
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 2 33 34 NA NA

PERSONNEL EXPOSURES									
NUMBER			TYPE		DESCRIPTION				
1	7	0	0	0	37	38	Z	NA	39

PERSONNEL INJURIES		DESCRIPTION	
NUMBER			
1	8	0	0
0	0	0	40
		NA	

7 8 9 11 12
LOSS OF OR DAMAGE TO FACILITY
TYPE DESCRIPTION (43)
1 9 Z (42)
2 8 9 10
8310120070 830928
PDR ADOCK 05000361
S PDR
IE 22

PUBLICITY
ISSUED DESCRIPTION (45)

2 0 N (44) NA

NRC USE ONLY

NAME OF PREPARER

PHONE: 714/492-7700

Southern California Edison Company

SAN ONOFRE NUCLEAR GENERATING STATION

P.O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

H. B. RAY
STATION MANAGER

September 28, 1983

RECEIVED
MRC
OCT -3 11 1:30
REGION V
TELEPHONE
(714) 492-7700

U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region V
1450 Maria Lane, Suite 210
Walnut Creek, California 94596-5368

Attention: Mr. J. B. Martin, Regional Administrator

Dear Sir:

Subject: Docket No. 50-361
30-Day Report
Licensee Event Report No. 83-120
San Onofre Nuclear Generating Station, Unit 2

Pursuant to Section 6.9.1.13.b of Appendix A, Technical Specifications to Facility Operating License NPF-10 for San Onofre Unit 2, this submittal provides the required 30-day written report and a copy of the Licensee Event Report (LER) form for two occurrences involving Limiting Condition for Operation (LCO) 3.6.2.2 associated with the Iodine Removal System (IRS). These events have been combined into a single report in accordance with NUREG-0161.

While in Mode 1 at 0624 on August 29, 1983, during performance of a valve lineup to test a spray chemical addition pump, flow control valve 2FV-0318, for the IRS, failed to open and was declared inoperable. In accordance with the Action Statement of LCO 3.6.2.2, action was initiated to return the system to operable status within 72 hours. The valve's actuator was removed and bench tested. The results of the bench test did not reveal any abnormal operation. The actuator was reinstalled, tested, and the IRS declared operable at 1950 on August 31, 1983.

At 2325 on August 31, 1983, immediately after shift change, the control operator attempted to open 2FV-0318 to verify that it had been returned to service. The valve did not open and the IRS was again declared inoperable. LCO 3.6.2.2 was again invoked. The actuator was removed and shipped to the vendor for repair. After refurbishment of the actuator, which included the replacement of a cracked O-ring, the valve was reinstalled, tested, and declared operable at 0120 on September 2, 1983.

11 IF 72

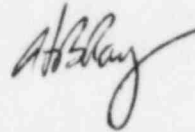
September 28, 1983

The cracked O-ring allowed high pressure oil to leak to the low pressure side, preventing sufficient pressure differential to stroke the valve. It is suspected that the O-ring cracks expanded at high temperatures and closed at lower temperatures. Therefore, the bench testing and the initial test upon reinstallation, on August 31, 1983, did not identify the problem. No further corrective action is planned.

There was no impact on the health and safety of plant personnel or the public associated with this event.

If there are any questions regarding the above, please so advise.

Sincerely,



Enclosure: LER No. 83-120

cc: A. E. Chaffee (USNRC Resident Inspector, Units 2 and 3)
J. P. Stewart (USNRC Resident Inspector, Units 2 and 3)

U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement

U. S. Nuclear Regulatory Commission
Division of Technical Information and Document Control

Institute of Nuclear Power Operations (INPO)